

Biphenylene Hydrazones of Aldehydes, Ketones, and
Quinones, by E. S. Khatinsky, M. Kh. Gluzman.
UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 3, 1946.

Navy Tr 1899/TG-230-T12

Sci - Chemistry
Nov 58

OTS PB141454T

75,974

Zhur Obshch Khim XVI, 27-32 (1946)

Equilibrium in the System AlF_3-H_2O .

V. S. Yatlov and E. N. Pinayevskaya

(Wilson Dam 2481)

Ivanov, K. I., Savinova, V. K., and Mikhailova, E. G.
PEROXIDE COMPOUNDS OF ISOPROPYL ETHER.
I. PHOTOOXIDATION OF ISOPROPYL ETHER AND
THE CHARACTER OF PEROXIDES FORMED. [1961]
Sp. 18 refs.

Order from OTS or SLA \$1.10

61-20177

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16,
p. 65-70.

DESCRIPTORS: *Propyl ethers, *Peroxides, Hydrogen
compounds, Oxidation, Boiling, Oxides, Ultraviolet
radiation, Light, Photochemistry, Photochemical re-
actions.

The action of ultraviolet light accelerates formation of
peroxides in autoxidation of isopropyl ether. Autoxi-
dation of isopropyl ether forms three types of per-
oxides: hydrogen peroxide, a very small amount of a
(Chemistry--Physical, TT, v. 7, no. 2) (over)

61-20177

- I. Ivanov, K. I.
- II. Savinova, V. K.
- III. Mikhailova, E. G.
- IV. Title: Photooxidation . . .

Office of Technical Services

Vvedenskiĭ, A. A., Dobronravov, R. K., and Frost, A. V.

KINETICS AND MECHANISM OF CATALYTIC HYDROGENATION OF HYDROCARBONS, II [1961] 6p. 7 refs.

Order from OTS or SLA \$1. 10

61-20161

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 71-76.

DESCRIPTORS: *Hydrocarbons, Hydrogenation, Catalysis, *Benzenes, *Cyclohexanes, *Reaction kinetics.

In hydrogenation of benzene over palladium black at 240° and atmospheric pressure the rate of hydrogenation is independent of the partial pressure of benzene within the limits of 0. 1-0. 45 atm. Hydrogenation of benzene under the above conditions is re- (Chemistry--Organic, TT, v. 7, no. 8) (over)

61-20161

I. Vvedenskiĭ, A. A.
II. Dobronravov, R. K.
III. Frost, A. V.

201430

Office of Technical Services

Polymerization of Simple Methyl Vinyl
Ether, by I. P. Losev, E. B. Trostyanskaya,
14pp.

RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol 17, 1947, No 1, pp 122-129.
CFSTI TT-64-18576

323,191

Sci - Chemistry
Apr 67

Zhur Obshch Khim XVI, 171-8, (1946)

Mutual Solubility in the System $(\text{NH}_4)_2\text{HPO}_4$ - $(\text{NH}_4)_2\text{SO}_4$ - H_2O :

K. S. Chernova and E. V. Korzh (Lab of Inorganic Chem,
Voronezh State Pedagogical Inst)

(Wilson Dam 2478

<p>Gerin, Yu. A. RESEARCH ON CATALYTIC CONVERSION OF ALCOHOLS TO HYDROCARBONS OF THE 1,3-BUTADIENE SERIES. II. FORMATION OF 1,3-BUTADIENE FROM ETHYL ALCOHOL. [1961] 10p. 20 refs. order from OTS or SLA \$1. 10</p> <p>61-20178</p> <p>Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 15, p. 283-294.</p> <p>DESCRIPTION: *hydrocarbons, *butadienes, Synthetics, *ethanol, *Alcohols, Chemical reactions, Catalysts, Catalysis.</p> <p>Formation of 1,3-butadiene by conversion of either ethyl or propyl alcohol in mixture with acetaldehyde, aldol or crotonaldehyde in the presence of several catalysts used for the manufacture of butadiene from ethanol by the S. V. Lebedev method established that these (Chemistry--Organic, TT, v. 6, no. 11) (over)</p>	<p>61-20178</p> <p>I. Gerin, Yu. A. II. Title: Formation...</p> <p>0000</p> <p>Office of Technical Services</p>
---	--

Investigation of Hydrolytic Equilibria in Solutions
of Sodium Hexafluorosilicate at 11°, by G. I.
Ruiss, 17 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, 1946,
pp 331-340.

Sci Mus Lib 53/1553

Scientific - Chemistry
CTS/DXX

6260

To the Problem of the Transformations of Diazo
Compounds. 1. The Reactions of p-Nitro-
Diacetamide and the Theory of the Structure of
Some Diazo compounds, by B. A. Porei-Kashits,
I. V. Grachev. UNCL

RUSSIAN, per, Zhur Obshch Khim, 1946,
Vol XVI, No 4/5,
pp 571-582.

DSIR Lending Library Unit M. 177

Sci - Chem
Apr 55

85, 881

Effect of Foreign Vapors on the Coagulation of
Aerosols, by I. S. Artemov.

RUSSIAN, per, Zhur Obshch Khim, Vol XX, No 6,
1946, pp 553-561.

AEC Tr
DEB T.4.R.

Scientific - Chemistry
CIA 495730

14,544

Methylpropylacetylenylcarbinol and Methylprop-
yvinylcarbinol and Hydrocarbons Obtainable From
Them, by I. A. Shikheyev, 4 pp.

RUSSIAN, per, Zhur Obshchey Khim, Vol XVI, 1946,
pp 657-661.

SLA 61-21118

Sci
Mar 62
Vol VII, No 3

188,109

Synthesis of New Anesthetics. Com II. Esters of
 α -bromo- α -furan carboxylic Acid and Amino
Alcohols, by *Midzhoyan, A.L.*, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVI, No 4/5,
1946, pp 767-770.

Scientific - Chemistry

Sci Tr Center RT 3597

36,145

Jun 56 CRS

Levina, R. Ya. and Egorova, S. A.
SYNTHESIS OF BRANCHED-CHAIN OLEFINS AND
PARAFFINS. III. INTERACTION OF 2,4-DI-
METHYL-2-PENTENYL BROMIDE WITH ALKYL-
MAGNESIUM HALIDES. [1961] 4p. 9 refs.
Order from OTS or SLA \$1.10 61-20121

Trans. of Zhurnal Obshchei Khimii (USSR) 1946,
v. 16, p. 811-824.

DESCRIPTORS: *Hydrocarbons, *Ethylenes,
Octenes, Octanes, Heptanes, *Methyl radicals,
Synthesis, *Bromides, *Magnesium compounds,
Halides, *Alkyl radical, Organic compounds
Chemical reactions, *Methanes.

Interaction of an unsaturated tertiary bromide, namely
2,4-dimethyl-2-pentenyl bromide, a homolog of allyl
bromide, with organomagnesium compounds is a
convenient method of synthesis of a branched-chain
(Chemistry--Organic, TT, v. 7, no. 3) (over)

61-20121

I. Levina, R. Ya.
II. Egorova, S. A.
III. Title: Interaction...

Office of Technical Services

61-20122

Turova-Polyak, M. B., Egorova, N. P., and Petrova, E. N.
ISOMERIZATION OF POLYMETHYLENE HYDROCARBONS UNDER THE ACTION OF ALUMINUM CHLORIDE. VII. OPTIMAL CONDITIONS OF ISOMERIZATION OF ALKYL CYCLOPENTANES. [1961]
Sp. 5 refs.
Order from ODS of SLA 31.10

61-20122

Trans. of Journal Obshche Khimii (USSR) 1946, v. 16, p. 525-526.

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, Pentanes, *Molecular isomerism, Aluminum compounds, Chlorides, Chemical reactions.

It was established that cyclopentane homologs are isomerized by contact with aluminum chloride to cyclopentane derivatives without any external supply of heat. (Chemistry--Organic, TT, v. 6, no. 11) (over)

I. Turova-Polyak, M. B.
II. Egorova, N. P.
III. Petrova, E. N.
IV. Title: Optimal...

062

Office of Technical Services

Turova-Polyak, M. B. and Petrova, E. N.
POLYMERIZATION OF POLYMETHYLENE HYDRO-
CARBONS UNDER THE ACTION OF ALUMINUM
CHLORIDE. III. ISOMERIZATION OF ETHYL-
CYCLOHEPTANE. [1991] 6p. 17 refs.
Order from OIN or SLA \$1.10

61-20123

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16
p. 829-834.

DESCRIPTORS: *Hydrocarbons. *Cycloheptanes. Ethyl
Radicals. Heptanes. *Molecular Isomerism. Synthesis.
Dehydrogenation. Bromination. Aluminum compounds.
Radical reactions.

Author: Chlorine chloride on ethylcycloheptane with-
out heating brings about isomerization of this
hydrocarbon to cyclohexane derivatives to an extent
of 15-20%. This is accompanied by evolution of heat.
(Chemistry-Organic, 17, v. 6, no. 11) (over)

61-20123

I. Turova-Polyak, M. B.
II. Petrova, E. N.
III. Title: Isomerization...

Office of Technical Services

Aromatic Bismuth Compounds Containing a Halogen
Atom in the Nucleus, by M. M. Zhad', T. K.
Kozminskaya, K. A. Kocheshkov, 9 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 6,
1946, pp 897-900.

MIR

Scientific - Medicine

Kag Sep 53 CTS/DEX

5089

Ozolentsov, R. D. and Usov, Yu. N.
DEHYDROCYCLIZATION OF 2,2,4-TRIMETHYL-
PENTANE OVER A CHROMIUM CATALYST. [1961]
Sp. 13 refs.
Order from OTS or SLA \$1.10

61-20124

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16,
p. 933-936.

DESCRIPTORS: *Pentane, *Methyl radicals, Dehy-
drogenation, *Chromium catalyze, Catalyze, Ca-
talysis, *Hydrocarbons.

Dehydrocyclization of 2,2,4-trimethylpentane to p-
xylene over a chromium catalyst supported on alumina
was established and a mechanism of this conversion
suggested, possibly involving isomerization of 2,4,4-
trimethylpentane to 2,5-dimethylhexane at high tem-
perature at a substantial velocity. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20124

I. Ozolentsov, R. D.
II. Usov, Yu. N.

66

Office of Technical Services

Shostakovskii, M. F. and Gershtein, N. A.
CONVERSIONS OF VINYL ETHERS. I. SYNTHESIS
OF ACETALS FROM VINYL ETHERS. [1961] 11p.
33 refs.

Order from OTS or SLA \$1.60

61-29175

Trans. of Zhurnal Obshchei Khimii (USSR) 1946,
v. 16, p. 937-950.

DESCRIPTORS. *Acetals, Synthesis, *Ethers, Vinyl
radicals, Chemical reactions, Catalysts.

A very simple catalytic method of preparation of
acetals from alcohols and vinyl ethers was developed,
giving good yields. In the presence of mineral acids
this reaction involves intermediate formation of an
oxonium complex. In the course of the synthesis of
acetals some of their conversions were determined,
particularly isomerization and decomposition, the
study of which is being continued. (Author)

CI-20125

I. Shostakovskii, M. F.
II. Gershtein, N. A.
III. Title: Synthesis...

TT-68-20464

2064

(Chemistry--Organic, TT,
v. 6, no. 11)
Office of Technical Services

Peroxide Compounds of Isopropyl Ether. Part II.
The Heavy Peroxide. Part III. The Light Peroxide
of Isopropyl Ether, by K. I. Ivanov, 26 pp.

RUSSIAN, per, Zhur. Obshchei Khim., Vol XVI, 1946,
pp 1003-1019.

SLA Tr R-1176

Sci

Jun 58

65,911

Spryskov, A. A.
EEN STUDIE OVER DE SULFONERINGSREACTIE.
IV. METHODE VOOR DE SULFONERING VAN
NAFTALBEN (A Study of the Sulfonation Reaction.
IV. Method for the Sulfonation of Naphthalene) tr. by
G. J. M. Fritschy. 8p. 14 refs. MTWL: 115.
(text in Dutch).
Order from OTS or ETC \$1.55 61-17740

Trans. of Zhurnal Obshchei Khimii (USSR) 1946,
v. 16, p. 1060-1063.

DESCRIPTORS: *Naphthalenes, *Sulfonic acids,
Sulfuric acid, Vapors.

61-17740

- I. Spryskov, A. A.
- II. MTWL-115
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Relation Between the Structure and Bacteriostatic
Activity of Sulfanilamide Compounds, by Z. V.
Pushkareva, Z. Yu. Kokoshko, 16 pp.

RUSSIAN, no per, Zhur Obshch Khim. Vol XVI, No 8,
1946, pp 1269-1278.

Sci Tr Center RT 3596

Scientific - Chemistry

36,141

Jun 56 CTS

Investigation of the Alkaloids in Trachelanthus
Morolkovi. III. The Structure of Trachelantha-
midine -- the Amino Alcohol Formed in the Hydro-
lysis of Trachelanthamine, by G. P. Men'shikov,
10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 8,
1946, pp 1311-1316.

Sci Tr Center RF 3116

Scientific - Chemistry

31,047

Feb 56

Polarigraphic Study of the Potentials of Half-Waves
of Displaced Quinones, Phenones, and Fuchsones, by
A. G. Stromberg, L. M. Reius, 16 pp. UNCLASSIFIED

RUSSIAN, no per, Zhur Obshch Khim, No 9, 1946.

G-2, GSUSA G-2625

USSR
Scientific - Chemistry

14,837

Jun 54 CTS

Chlorine and Hydrogen Explosion Temperatures
and Limits in Hydrogen Chloride, by T. I.
Kumin, V. I. Serdyukov, 12 pp.

RUSSIAN, par, Zhur Obshchey Khim, Vol XVI,
No 9, 1966, pp 1421-1430. 9187409

K-H-3730

FD-IT-62-1415

OTD 63-1263

Sci - Chem
Jan 63

219979

Zhur Obshch Khim Vol 16, # 9, pp 1481-4 (1946)

"Diatomic Automerism [Synthesis of Organic Compounds of Phosphorus + Arsenic]" G. V. Chelintsev & U. K. Kusakov

proj 10820

SE 25 30 12

Boron Fluoride as a Catalyst in Organic Chemistry,
IV. Condensation of Phenol With Butene-2,
UNCLASSIFIED

RUSSIAN, Zhur Obsh Khim, 1946, Vol 16, No 9,
pp 1495-1504.

SLA 61-1947
Sci Mus Lib No 52/2735

2510 2001 171.2.072

Scientific - Chemistry

25 October 1952

Investigation of Various Types of Peroxides as
Initiators of Emulsive Polymerization, by T. I.
Yurshenko, G. E. Gromova, V. B. Khaytser, 34 pp.

RUSSIAN, per, Zhur: Obshch Khim, Vol XVI, No 9,
1946, pp 1505-1521.

SLA 59-15923

Sci
Dec 59
Vol 2, No 5

103,784

Svedov, V. P.
ON OXYHALIDES OF LEAD. [1963] Sp. 1 ref.
Order from OTS or SLA \$1.10 68-18339

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1964,
v. 16, p. 1361-1366.

DESCRIPTORS: *Lead compounds, *Oxyhalides,
Oxychlorides, Oxybromides, Iodides, Mixtures,
Chemical bonds, Crystal structure.

The data of various investigations, where numerous lead
oxyhalides are considered as separated chemical com-
pounds, evoked doubts as to the correctness of con-
clusions of some of the authors. The oxyhalides of lead
of different composition which were obtained in the
present study strengthened these doubts. Data concern-
ing the exchange in the systems $PbBr_2 - NH_4OH$ and
 $2 PbO \cdot H_2O - KBr$ converted these doubts into a certainty.
(Chemistry--Inorganic, TT, v. 10, no. 9) (over)

68-18339

Il. Svedov, V. P.

Office of Technical Services

Mañianskii, G. N. and Berlin, T. S.
CONVERSIONS OF HYDROCARBONS ON ALUMINA-
SILICA CATALYSTS. I. CONVERSION OF CYCLO-
HEXANE. [1963] [15p] 18 refs
Order from OTS, SLA or ETC \$1.60 TT-63-20804

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946,
v. 16, p. 1643-1655

DESCRIPTORS: *Hydroforming (Chemical), *Benzenes,
Benzene derivatives, Synthesis (Chemistry),
*Cyclohexanes, Dehydrogenation, *Alumina-silica
catalysts, *Fuels, Production.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-63-20804

I. Mañianskii, G. N.
II. Berlin, T. S.
III. Title: Conversion...

Office of Technical Services

Domnin, N. A.

INVESTIGATIONS IN THE FIELD OF UNSATURATED
CYCLIC HYDROCARBONS AND THEIR HALOGEN
DERIVATIVES. VII. CONVERSION OF HALOGEN
DERIVATIVES OF CYCLOHEXANE INTO AROMATIC
DERIVATIVES. [1963] [13]p. 4 refs.

Order from OTS or SLA \$1.60

63-14826

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946,
v. 16, no. 10, p. 1729-1736.

DESCRIPTORS: *Cyclohexane derivatives, Halides,
*Bromides, Cyclohexanes, *Benzenes, *Cyclohexenes,
*Cyclohexadienes, Synthesis (Chemistry), Bromine,
Quinolines, Alcohols, Salts.

It is shown that (1) three products are formed in the
process of combining molecular bromine with
1,2-dibromocyclohexene-i, namely: 1,1,2,2-tetra-
(Chemistry--Organic, TT, v. 10, no. 7) (over)

63-14826

I. Domnin, N. A.
II. Title: Conversion ...

Office of Technical Services

Synthesis of Ethylene Chlorohydrin. II.
Temperature Coefficient of the Rate of the Gomberg
Reaction, by E. A. Shilov, N. P. Kanyayev.

RUSSIAN, per, Zhur' Obshch Khim, Vol XVI, 1946,
pp 1871-1872.

SLA-17213
DSIR LLU M. 1386

Sci - Chem

170, 762

Oct 61

Theory of Nitration of Saturated Hydrocarbons and
Their Derivatives, I. General Conclusions of the
Study of the Primary Elementary Stage of the Reaction,
by A. I. Titov,

RUSSIAN, per, Zhur Obshchei Khim, Vol XVI, No 11,
1946, pp 1896-1906.

ATS RJ-2092

Sci - Chem

May 60

115,387

Sodium Hexametaphosphate as an Inhibitor of
Corrosion of Iron in Salt Solutions, by E. I.
Gurovich, I. V. Krotov.
RUSSIAN, per, Zh. Obshch. Khim, Vol 16, No 12,
1946, pp 1951-1960.
NLL 5828.4F (11865)

Sci - Chem
Sept. 67

340,362

Mel'nikov, N. N.
INVESTIGATIONS IN THE FIELD OF ORGANIC
MERCURY COMPOUNDS. VI. CONCERNING
SYNTHESIS OF DIALKYL-MERCURY. [1963] 9p.
12 refs.

Order from OTS or SLA \$1. 10

63-14292

Trans. of Zhurnal Obshchei Khimii (USSR) 1946,
v. 16, no. 12, p. 2065-2071.

DESCRIPTORS: *Metalorganic compounds, *Mercury
compounds, *Alkyl radicals, Synthesis (Chemistry),
Bromides, Sodium compounds, Mercury alloys.

It was shown that completely metalorganic compounds
of mercury are obtained in good yield by reaction of
alkyl bromide with sodium amalgam. It was estab-
lished that the content of sodium in the amalgam em-
ployed for the synthesis of dialkylmercury from alkyl
(Chemistry--Organic, TT, v. 10, no. 5) (over)

63-14292

I. Mel'nikov, N. N.
II. Title: Concerning . . .

Office of Technical Services

Investigation of the Sulphonation Reaction.
V. Conditions for Irreversibility of the
Sulphonation Reaction, by A. A. Spryskov.
UDCL

RUSSIAN, per, Zhur Obshch Khim, Vol XVI,
1946, pp 2124-2131.

DSIR LIU (loan) M.412

SLA 54-25480

94, 872

Sci - Chem
Aug 59

Catalytic Oxidation of Benzene in the Gas Phase,
by V. V. Migulevskii and E. Ya. Yarsenskaya.
RUSSIAN, per, Zhurnal Obshchei Khimii, No 5,
1935, pp 1620-1628.
NLL RIS 3567

Sci.-Chem
Nov 67

345,327

The Movement of Solution Near a Dropping Mercury Electrode. III. Movement in Concentrated Solutions of Foreign Electrolytes and the Formation of False Waves on the Polarographic Curve, by T. A. Kryakova and B. N. Kabanov.

RUSSIAN, per, Zhurnal Obshchey Khimii, Vol 15, 1945, pp 294-301.

NLL RTS 3713

Sci-Chem
Nov 67

345,339

Determination of Active Hydrogen With Grignard's Reagent in an Atmosphere of Carbon Dioxide, Part IV, by A. P. Terent'ev.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, 1947, pp 100-104.

AEC Tr 1575

Scientific - Chemistry

May 53 CTS

2102

The Extraction of Iron Chloride From Hydrochloric Acid Solutions by Means of Organic Solvents, by V. I. Kuznetsov.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 2, USSR, 1947, pp 175-180.

Sci Tr Cont RT 470
ABC Tr 1263

Scientific - Chemistry

Jun 52 CTS

DEX

Preparation of Sulfur Monofluoride and Its
Properties, by L. M. Dabnikov, N. I. ZORIN.

RUSSIAN, no pat, Zhur Obsch Khim, Vol XVII, No 2,
1947, pp 185 - 192.

AEC Tr 1087

OTS 63-14408

Sci - Chem

Dec 51 OTS

BS

Zhur Obsh Khim Vol 6 17 No 2 193-7 1947

Polotskiy, I. G. and Filippov, Ts S.

The mechanism of the depolarizing action of ultrasonic waves.

Avail at ENL AECTr 482 *29 June 51*

Antraquinone Series. Communication II. 1,4
Anthraquinonechlorosulfonic Acid, by V. V.
Kozlov, 4 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVII,
No 2, 1947, pp 299-301.

Sci Tr Center
NT-3811

37,874

Sci - Chemistry

Aug 1956

Investigation of the Alkaloids of *Trachelanthus*
Korelkovi. IV. The Structure of Trachelanthamine,
by G. P. Men'shikov, 7 6 pp.

RUSSIAN, *f* no per, Zhur Obshch Khim, Vol XVII,
No 2, 1947, pp 343-345.

Sci Tr Center RT-2814

29, 465

Scientific - Chemistry
Dec 55 CTS/DEK

ZHURN OBSHCH KHIM VOL XVII, No 3

Mar 1947

4 pp

"Ascorbic Acid, Its Preparation and Properties: III,
The Acetonization of Sorbose"

Ya. M. Slobodin

Available at Brookhaven
See Guide to Russ Sci Per Lit,
Vol. 1, No 7, P. 53

15T74

Blockade of High Molecular Iron Compounds by
Means of Phosphates and other Complex Forming
Agents. XI. The Role of Phosphates in Oxidation
Process, by A. M. Malkov, 13 p.

RUSSIAN, per, Zhur Obshchey Khimii, 1947,
Vol XVII, No 3, pp 436-442.

SLA 59-15924

Sci.
Dec 59
Vol 2, No 6

103,795

Babko, A. K.
COPPER SALICYLATE COMPLEXES. [1961] 10p.
(5 figs. omitted) 9 refs.
Order from OTS or SLA \$1. 10 61-16159

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1947,
v. 17 [no. 3] p. 443-449.

DESCRIPTORS: *Salicylates, *Copper compounds,
*Complex compounds.

(Chemistry--Physical, TT, v. 6, no. 7)

61-16159

I. Babko, A. K.

61-16159

Office of Technical Services

1
Molecular Compounds of ~~MSX~~ Mollitic Trianhydride,
by I. S. Mustafin.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII,
1947, pp 560-564.

Assoc Tech Sv RJ-253
\$8.00

Scientific - Chemistry
CIS 73/Oct 1955

27,701

The Acid-Base Properties of ~~HEM~~ Acetonitrile. II.
Interaction of Acetonitrile With Bases, by
M. Usanovich, V. Dulova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 4,
1947, pp 669-672.

CTS TT-63-20750 (9pp)
Sci Trans Center RT-435

10,919

Scientific - Chemistry
CTS/DEX

Some Considerations on the Herz Reaction, by
K. K. Bozambets, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 4,
1947, pp 641-684.

Sci Tr Center
RT-3992

39, 131

Sci - Chemistry
Sep 56 CTS/dex

Agency: Picatinny Arsenal
P.O.No. 72-106-c

R-15180-D
12 June .972

Title: Physico-Chemical Analysis in the System
Acetic Acid-Nitric Acid: Fusibility, Viscosity
and Density of the System.

Author: S. P. Miskidsh'yan, N. A. Trifonov

Source: Zhurnal Obshchey Khimii, Vol. 17, #6, 1947
pp: 1033-1036 pp:

Language: Russian

Instructions: Please translate, type single space.
Paste-up

63-16991

I. Yanat'eva, O. K.

Yanat'eva, O. K.
SOLUBILITY, VISCOSITY, AND SPECIFIC GRAVITIES IN QUATERNARY AQUEOUS SYSTEMS OF ALKALI AND ALKALINE-EARTH METAL CHLORIDES (Rastvorimost', Vязkost' i Udel'nye Vesa v Chetvernykh Vodnykh Sistemakh iz Khloridov Shchelochnykh i Shchelochno-Zemel'nykh Metallov). [1963] [13]p. (Foreign text included) 4 refs.
Order from OTS or SLA \$1.60 63-16991

Trans. of Zhurnal Obshchei Khimii (USSR) 1947,
v. 17, no. 6, p. 1043-1046.

DESCRIPTORS: *Alkali metal compounds, *Alkaline earth compounds, *Chlorides, Solubility, Viscosity, Density, Solutions, Welding, Fluxes (Fusion).

Solubility, viscosity and specific gravities in the systems: NaCl — KCl — LiCl — H₂O, NaCl — KCl — (Chemistry--Physical, TT, v. 10, no. 9) (over)

Office of Technical Services

Study of Alloxan and of Certain of Its
Derivatives as Analytical Reagents, by Leonid
Kul'berg, 22 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVII, No 6,
1947, pp 1089-1098. CIA D 151390

NIH

Scientific - Chemistry
Nov 55 CTS/DEK

28,358

Ivannikov, P. Ya.
ZUURLOZE VERESTERING VAN ALCOHOLEN BIJ
LAGE TEMPERATUREN (Reaction of Acid-less
Esterification of Alcohols at Low Temperatures)
tr. by G. J. M. Fritschy. 4p. MTWL: 44. (text in
Dutch).
Order from OTS or ETC: \$1.40 61-17662

Trans. of Zhurnal Obshchei Khimii (USSR) 1947,
v. 17, p. 1103-1104.

DESCRIPTORS: Alcohols, Temperature, *Esters,
Synthesis, Catalysts.

61-17662

I. Ivannikov, P. Ya.
II. MTWL-44
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Rogovin, Z. A., Khaft, E. and others.
ONDERZOEKINGEN OP HET GEBIED VAN DE POLY-
MERISATIE VAN INSTABIELE RINGVERBINDINGEN.
II. POLYMERISATIE VAN CAPROLACTAAM IN AAN-
WEZIGHEID VAN KLEINE HOEVEELHEDEN WATER
(Polymerization of Unstable Cyclic Compounds. II.
Polymerization of Caprolactam in the Presence of
Small Amounts of Water) tr. by G.J.M. Fritschy. 8p.
2 refs. MTWL: 896. (text in Dutch).
Order from OTS or ETC \$1.35

61-17605

Trans. of Zhurnal Obshchei Khimii (USSR) 1947,
v. 17, p. 1316-1320.

DESCRIPTORS: *Polymerization, *Heterocyclic
compounds, Organic compounds, Organic acids,
Amides, Resins.

61-17605

- I. Rogovin, Z. A.
- II. Khaft, E.
- III. MTWL-896
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

**The Kinetics of the Decomposition of Lithium Amalgam
in Water and Aqueous Solutions of Lithium Chloride and
Lithium Hydroxide, by S. I. Skysenko, B. A. Sakharov**

Full Translation

**RUSSIAN, per, Zhur Obshch Khim, Vol. XVII, 1947, pp 1,385-
1,400.**

Sci - Chem

ABC #R 1139

Feb 72 CTS

Investigation of the Alkaloids of Trachelanthus
Korolkovi. V. Synthesis of Some Derivatives of
Trachelanthamide, by E. L. Gurevich, G. P.
Men'shikov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 9,
1947, pp 1714-1717.

26,707

Sci Trans Center
RT-2325 2363

Scientific - Chemistry

Sep 55 CTS/DEX

Журнал "Океан" Кхивини XVII - 10 (1947)
pp 1729-1738

1938

T-55-B5

Алек. Яков. Пары-Кохито

AR - 9 Report 49

Dyes With Antipyrine Nuclei, by A. Ye. Poray-Koshits, O. F. Ginzburg, B. A. Poray-Koshits, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 10, 1947, pp 1752-1757. CIA 9033490

NIR 11-9

Sci - Chem
Oct 58

75,679

AZO DYES FROM 1,5-AMINONAPHTHOL AND SOME OF ITS
Derivatives. II. Determination of the Struc-
ture of the Mono-Azo Dyes From 1,5-Aminonaphthol,
by A. Ye. Poray-Koshits, B. A. E Poray-Koshits,
V. V. Perekhalin, 26 pp.

RUSSIAN, per Zhur Obshch Khim, Vol XVII, No 10,
1947, pp 1758-1767. CIA 9033491

NLL 5828.412

WIR 11-8

Sci - Chem
Oct 58

175, 680

Imidazole Derivatives. Communication I. Mechanism of Formation of Benzimidazole Derivatives and the Role of Hydrochloric Acid in This Reaction, by B. A. Parai-Koshits, O. F. Ginsburg, L. S. Efros, 11 pp.

RUSSIAN, no per, ~~Zhur Obshch Khim~~, Vol XVII, No 10, 1947, pp 1768-1773.

Sci Tr Center
RT-3818

39,143

Sci - Chemistry
Esp 56 CHE/dex

Zh Obshch Khim Vol 17, No 10, pp 1774-87, 1947

Studies of azomethines. I. Studies of the hydrolysis
reaction of azomethines, B. A. Porai-Koshits,
E. M. Poznanskaya, V. S. Shevchenko, L. A. Pavlova

AFC/BNL/Tr 120

Structure and Transformation of Diazo Compounds.
II. The Various p-nitrodiazobenzene Forms, by I
I. V. Grachev, 18 pp.

RUSSIAN, as per, Zhur Obshch Khim, Vol XVIII,
No 10, 1947, pp 1837-1842.

Sci Tr Center
RT-3801

37,873

Sci - Chemistry

Aug 1956

The Interaction of Wool and Cotton With Sodium Salt
of Indigo White in Vat Dyeing/ by V. G. Abozin

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, ~~pp~~ 1947,
pp 1876-1887.

AEC-Tr 1583

Scientific - Chemistry

Jun 53 CTS/DEK

3078

The Radical (SO_2Cl_2) Its Structure and Reactions
By A. Ya. Yakubovich, Yu. M. Zinov'ev.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol XVII, No 11, 1947, pp 2028-2047.
SLA TT 64-16329

May 67

327,192

Obtaining Several Esters of Triarylmethylphosphinic
Acid, by A. E. Arbutov, K. V. Nikonov, 11 pp.
UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12, 1947.

AMC F-TS-6981-RE

AEC-1269

Also Avail. at Brookhaven Nat'l. Lab

Scientific - Chemistry

12,814
May CTS

Arbuzov, A. Ye. and Kamay, G.
THE REACTIONS FOR MAKING PHOSPHONOACETIC
AND PHOSPHONMALONIC ESTERS. [1960] 17p.
Order from LC or SLA m/\$2.40, p/\$3.30 61-10741

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1947,
v. 17, p. 2149-2157.

151841

(Chemistry--Organic, TT, v. 5, no. 9)

61-10741

1. Esters--Synthesis
 2. Phosphorus compounds
(Organic)--Synthesis
 3. Phosphites--Chemical
reactions
 4. Chlorine compounds
(Organic)--Chemical
reactions
- I. Arbuzov, A. Ye.
 - II. Kamay, G.

Office of Technical Services

Tin-Phosphorus-Organic Compounds, by B. A. Artuzov,
A. N. Pudovik, 8 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12,
1947. pp 2158-2165.

ATS 27L29R
ANC-F-TS-6981-RE
SLA 61-10745
AEC Tr 1270

12,824

Also Avail at Brookhaven Nat'l Lab
Scientific - Chemistry

May CTS

Tin-Phosphorus Organic Compounds. II. Synthesis of
Compounds of Type R_2Sn , by B. A. Arduzov, N. P.
GRECHKIN Grechkin, 17 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12,
1947, pp 211-217

ATS-28429R

AMC P-TS-6/81-RE

SLA 61-10746

AEC Tr 1271

Scientific - Chemistry

June CTS

Also Avail at Brookhaven Nat'l Lab

17 217

V
N-Phenythiocyanines, by A. I. Kiprianov, I. K. Ushenko.

RUSSIAN, no per, ~~Zhur Obshch Khim~~, Vol XVII, No 13 12
1947, pp 2,201-2,207.

Assoc Tech Sv
RJ-353

Sci - Chemistry

Aug 1956

37,006

\$13.00

The Reaction Between Aliphatic Thio Ethers and Dialkyl Sulfates, by I. A. Usov, M. Z. Finkel'shtein, V. N. Belov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 12, 1947, pp 2253-2255.

Sci Tr ~~CZE~~ RT-3444

Scientific - Chemistry

346 915

May 56 CTB/dex

To the Problem of the Structure and
Transformations of the Diazo Compounds,
IV. The Formation and Transformations of
P. Nitrophenylnitrosamine, by I. V. Grachev,
7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII,
1947, pp 2268-2276.

SLA 60-13721

Sci
Vol IV, No 5
Mar 62

188, 440

Mechanism For the Formation of Sugars
From Formaldehyde. Part II, by
S. A. Balezin.
RUSSIAN, per, Zhurnal Obshchey Khimii,
Vol 17, No 12, 1947, pp 2288-2291.
NASA TT P-11,716

Sci/Chem
Oct 68

368,959

Borovik, E.
FORMULA FOR THE THERMAL CONDUCTIVITY
OF LIQUIDS. [1961] 3p. (2 tables 1 diag. omitted)
19 refs. [DSIR LLU] M. 2745.
Order from OTS or SLA \$1.10

61-23323

Unedited trans. of [Zhurnal Obshchei Khimii] (USSR)
1948. v. 18 [no. 1] p. 48ff.

DESCRIPTORS: *Liquids, *Heat transfer, Conductivity,
Liquefied gases.

The proposed formula is omitted in the present trans-
lation.

(Physics--Thermodynamics, TT, v. 6, no. 12)

61-23323

I. Borovik, E.
II. DSIR LLU M. 2745

182070

Office of Technical Services

Action of Nitrogen Oxides on Unsaturated Acids
of the $C_nH_{2n-2}O_2$ Series. I. Action of N_2O_3 On
Petroselinic Acid, by N. V. Williams, S. V.
Vasilev, 7 pp.

RUSSIAN, № 20 per, Zhur Obshch Khim, Vol XVIII,
1948, pp 77-81.

30,804

CIA/PDD/XI-68
IAC INTERNAL USE ONLY

Scientific - Chemistry

Feb 56 CTS/DEX

Study of the Sulfonation Reaction VIII. Heat Effect
of the Sulfonation Reaction of Naphthalene, by A. A.
Spryskov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, 1948,
pp 98-99.

SLA R-2769

Sci
Apr 59

84,467

An Investigation of the Reaction of the
Formation of Cobalt and Nickel Ferrites,
by S. L. Bulyakova, Ya. I. Gerasimov, U. P.
Simanov and L. L. Klyachko-Garvich, 12 pp.

RUSSIAN, per. Zhur. Obsh^{ch}. Khimii, Vol. XVIII, 1948
pp 154-164.

CIA/FDD/Z-203

30,875

Scientific - Chemistry

Vinylogs of Malonaldehyde, by I. L. Knunyants, A. K. Shillegodskii, 11 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 2, 1948, pp 184-189.

CIA/FDD/X-975

USSR

Scientific - Chemistry

CTS/DEX

3831

Friedel-Crafts Ketone Syntheses With Zinc Chloride,
by A. B. Kuchkarov, I. P. Tsukervanik, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII,
1948, pp 320-323.

CIA/TDD/XX-49

Scientific - Chemistry

Jan 55 CTS/DEX

IAC: INTERNAL USE ONLY

30,370

Adsorptive Films As a Passivating Factor, by G. S. Keshurnikov, 12 pp. UNCLASSIFIED

RUSSIAN, per, Zhur: Obshch Khim, Vol XVIII (1988), No 3. F 388-377

ACE

CIA/FID/X-1404

RT-19 00

Scientific - Chemistry - Adsorption, Coatings

20,297

Application of Aromatic Arsenic Compounds in Chemical
Analyses. Part I, by A. I. Portnov, 9 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII, No 4,
1948, pp 594-600.

Sci Tr Center RT-1163

Scientific - Chemistry

Jul 54 CTS

16,052

Cracking Processes Using an Aluminous Catalyst in the
Light of the Multiplet Theory of Catalysis, by (T. V.)
Oborin.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII, No 4,
1948, pp 612-628.

AEC Tr 1175

Sci - Chem

Apr 52 CTS

INDEX

Application of Aromatic Arsenic Compounds in
Chemical Analyses, Part II, The Arsonate Method
for the Determination of Cobalt, by A. I. Fortnov,
6 pp UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 4,
1948, pp 601-607.

Sci Tr Center
RP-1076

15,358

Scientific - Chemistry

Absorption Spectra and Structures of Benzene
Derivatives, IV. Polarographic and Potentio-
metric Investigations of Acetophenone and Its
Derivatives, by N. A. Valyashko, Yu. S. Rozum.
RUSSIAN, per, Zh. Obshch. Khim., Vol 18, No 4,
1948, pp 710-722.
NLL 5828.4F (11702)

Sci - Chem

Sept. 67

340,150

Dyes of the di- and Tripyridylmethane
Series, by Khumyants, I. L. and Berezovskii
V. N.

RUSSIAN, per, Zhurnal Obshchei Khimii,
1948, Vol 18, No 4, pp 767-784.
NLL RTS 2488 (On Loan or Purchase)

NLL 5828.4F P.767-774

Aug 65

287,003

Free Radicals with Hetero-Atoms, by M. Dyatkina.
RUSSIAN, per, Zh. Obshch. Khim., Vol 18, No 5,
1948, pp 823-831.
NLL 5828.4F (11699)

Sci - Chem
Sept. 67

340,154

The Preparation of Esters of ²~~2,4,6~~-nitro Substituted
Carboxylic Acids. I. Ethyl Nitroacetate, by V. M.
Rodionov, I. V. Machinskaya, V. M. Belikov, 7 pp.

RUSSIAN, per, Zhur.Obshchei Khim., Vol XVIII, No 5,
1948, pp 917-920.

Sci Tr Center RT-2498

USSR
Scientific - Chemistry

28, 254

Nov 55
OTS/DEX

Binary System of Sodium Chromate-
Calcium Chromate, by Ya. E. Vil'nyanskiy,
O. L. Pudovkina.
RUSSIAN, per, Zhurnal Obshch. Khimiy,
Vol 18, No 6, pp 1033-1036, 1948 9229606
AEC SC-T-65-723

Sci-Chem
Oct 65

290,647

Catalytic Oxidation of Various Classes of
Organic Compounds in a Jet, by
L. Ya. Margolis, O. M. Todes.
RUSSIAN, per, Zh Obshchey Khim, Vol 18,
No 6, 1948, pp 1043-1050.
Dept of Navy NRL Trans No 1171

Sci-Chem
June 69

383,154

Investigation of Alkaloids of Senecio. species.
VI. Structure of Seneciphylline, by R.
Konovalova, A. Danilova, 8 pp. UNCLASSIFIED

RUSSIAN, per, Zhur. Obshch. Khim, Vol XVIII,
No 6, 1948, pp 1198-1202.

Sci Tr Center
RT-1674

20,532

Scientific - Chemistry

Jan. 5
Bureau CTS